

The power of coal

Brochure by:

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The History of Coal

Coal is the most plentiful fuel in the fossil family and it has the longest and, perhaps, the most varied history. Coal has been used since the heating in the cave man time's archaeologists have also found that the Romans used coal. In the second and third century during the 1800s one of the primary uses of coal was to fuel steam engines used to power locomotives. Also in the 1700s the English found that the coal could produce a fuel that burned cleaner and hotter than wood and charcoal. It is the overwhelming need for energy to run the new technologies, invented during the Industrial Revolution that provided the real opportunity for coal to fill its first role as a dominant worldwide supplier of energy.

In North America, the Hopi Indians during the 1300s in what is now the U.S Southwest used coal for cooking.

Advantages and Disadvantages Coal

Advantages of Coal

Coal can be found in lots of places in the world and there is still plenty in the UK.

Coal is also easily transported to the power stations.

Coal is relatively cheap energy source.

Disadvantages of Coal

To dig up coal, we have to create coal mines which can be dangerous and not very nice to look at.

Transporting coal by lorry and train from the mine to the power stations causes pollution.

Burning coal produces polluting gases like sulfur dioxide which make acid rain.

Also coal is a non- renewable source and will run out in about 100 years.

Coal miners can be affected by black lung disease or Pneuconiosis and also emphysema if they breathe in too much coal dust.

Citations

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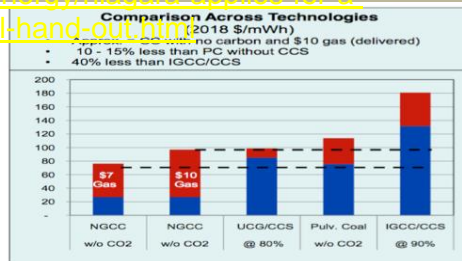
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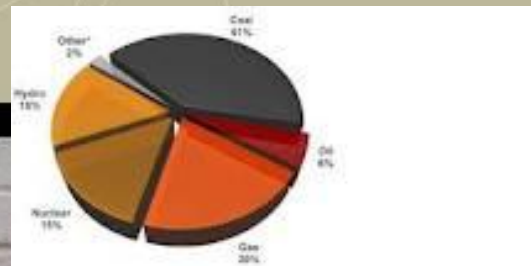
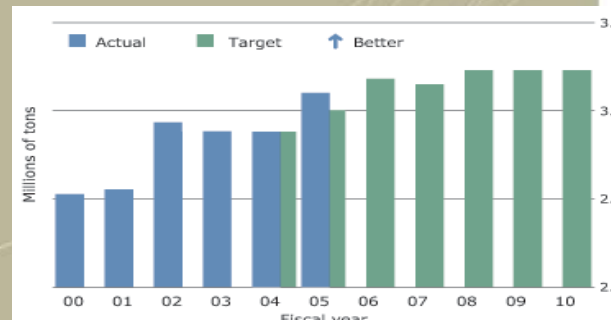
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Source: The ~~Northrup~~ Group for CATF. UCG estimate based on proprietary data supplied to ~~Northrup~~ by a private project developer. Costs include estimates of excavation in materials and other prices through 2018. CCS costs do not include CO2 transportation and storage.



The other applications of coal are...

The applications of coal is that steel production, cement manufacturing and as a liquid fuel. Around 6.1 billion tons of hard coal was used worldwide last year and 1 billion tons of brown coal. Different types of coal have different uses. Steam coal - also known as thermal coal - is mainly used in power generation. Coking coal - also known as metallurgical coal - is mainly used in steel production.

